COMAG Handels AG

2010
PRODUCT OVERVIEW

Digital HD satellite receivers HD+ receivers Satellite systems Universal remote control Antennas LNBs 1-cable system Digital satellite receivers Digital HD satellite receivers Digital terrestrial receivers HD+ receivers Satellite systems Universal remote control

Tested quality & regulatory requirements

We have obtained licenses of all required licensors and/or users:
MPEG LA – S.I.SV.EL. – IGR – Thomson – Gemstar

We only cooperate with the leading test laboratories in Germany!

The final assembly of the receiver is made in our plants in Germany. After a 100% quality control, our products are ready for delivery.

Our products meet the highest quality standards and the currently effective directives. To maintain these standards, we exclusively cooperate with the leading test laboratories in Germany!

- **TÜV SÜD Product Service GmbH**
- **TÜV Rheinland Group**
- **Obering. Berg & Lukowiak GmbH**
- **TÜV SÜD SENTON GmbH**
- **Intertek Consumer Goods GmbH – PORST & PARTNER**
- **SLG Prüf- und Zertifizierungs GmbH**

SCOPE OF TESTING:
- Test according to the guideline on electromagnetic compatibility
- Test according to the low voltage directive
- Test on serviceability and endurance tests
- Chemicals tests: REACH, RoHS, PAK, Phthalate, Nonylphenol
- GS (if required)
- Sales packaging test

We spell ENVIRONMENTAL PROTECTION with capital letters!

Our products (EuP) meet the Ecodesign Directive 2009/125/EC!
The battaries we use meet the directive 2006/66/EC.
We are member of the collection system CCR REBAT.

✓REACH ✓RoHS CE

Phthalate, Nonylphenol, PAK free

Contents

Antennas	Page 04
LNBs	Page 08
1-cable system	Page 11
Digital satellite receivers	Page 12
Digital HD satellite receivers	Page 18
Digital HD+ satellite receivers	Page 22
Digital satellite receivers with Ab-TV function	Page 25
Digital satellite receivers (12 Volt)	Page 26
Digital HD satellite receivers (12 Volt)	Page 28
Digital Scart satellite receivers	Page 29
Digital HDMI satellite receivers	Page 30
Satellite systems	Page 31
Digital terrestrial receivers	Page 34
Digital terrestrial Scart receivers	Page 37
Digital terrestrial HDMI receivers	Page 38
Digital terrestrial receivers (12 Volt)	Page 39
Universal remote control	Page 40

OUR SATELLITE ANTENNAS MEET HIGH QUALITY STANDARDS. THEY ARE SUPPLED "READY-TO-BUILD", I.E. ALL COMPONENTS REQUIRED FOR FIXING ARE INCLUDED IN THE SCOPE OF SUPPLY. OF COURSE, ALL ANTENNAS ARE WEATHERPROOF AND POWDER COATED, AND THE BRACKETS ARE EITHER ZINC-PLATED OR MADE OF ANODISED ALUMINIUM.

57 cm aluminium antenna
57 cm steel antenna

TECHNICAL SPECIFICATIONS:

Aluminium or steel reflector, powder-coated		
Incl. zinc-plated mast bracket		
LNB seat		40 mm
Benefit	with 10,75 GHz	approx. 36,00 dB
	with 11,75GHz	approx. 37,50 dB
Elevation range		approx. 17,0° – 54,0°

OUR SATELLITE ANTENNAS MEET HIGH QUALITY STANDARDS. THEY ARE SUPPLED "READY-TO-BUILD", I.E. ALL COMPONENTS REQUIRED FOR FIXING ARE INCLUDED IN THE SCOPE OF SUPPLY. OF COURSE, ALL ANTENNAS ARE WEATHERPROOF AND POWDER COATED, AND THE BRACKETS ARE EITHER ZINC-PLATED OR MADE OF ANODISED ALUMINIUM.

80 cm aluminium antenna
80 cm steel antenna

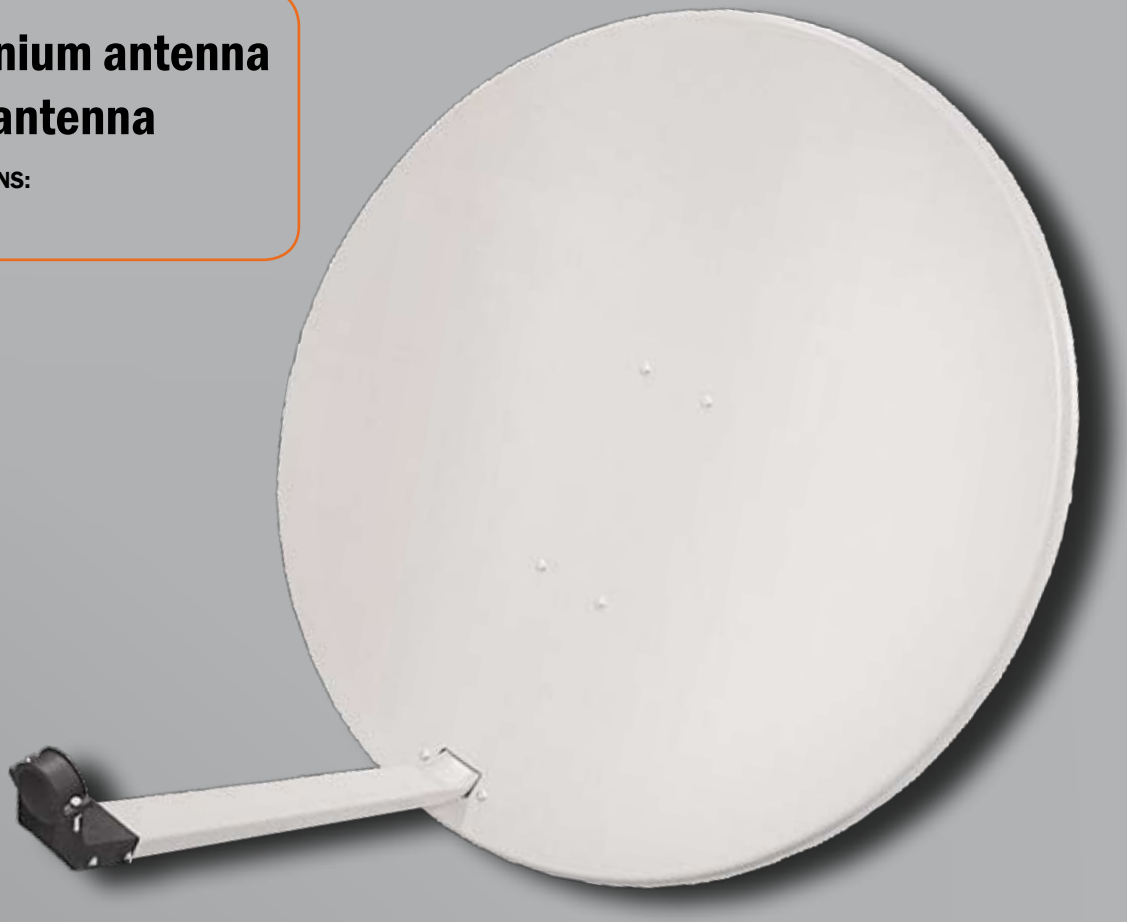
TECHNICAL SPECIFICATIONS:

Aluminium or steel reflector, powder-coated		
Incl. zinc-plated mast bracket		
LNB seat		40 mm
Benefit	with 10,75 GHz	approx. 36,50 dB
	with 11,75GHz	approx. 38,55 dB
Elevation range		approx. 15,5° – 57,5°

OUR SATELLITE ANTENNAS MEET HIGH QUALITY STANDARDS. THEY ARE SUPPLED "READY-TO-BUILD", I.E. ALL COMPONENTS REQUIRED FOR FIXING ARE INCLUDED IN THE SCOPE OF SUPPLY. OF COURSE, ALL ANTENNAS ARE WEATHERPROOF AND POWDER COATED, AND THE BRACKETS ARE EITHER ZINC-PLATED OR MADE OF ANODISED ALUMINIUM.

100 cm aluminium antenna
100 cm steel antenna

TECHNICAL SPECIFICATIONS:



Aluminium or steel reflector, powder-coated		
Incl. zinc-plated mast bracket		
LNB seat		40 mm
Benefit	With 10,75 GHz	approx. 37,70 dB
	With 11,75 GHz	approx. 39,40 dB
Elevation range		approx. 15.0° – 60.0°

OUR SATELLITE ANTENNAS MEET HIGH QUALITY STANDARDS. THEY ARE SUPPLED "READY-TO-BUILD", I.E. ALL COMPONENTS REQUIRED FOR FIXING ARE INCLUDED IN THE SCOPE OF SUPPLY. OF COURSE, ALL ANTENNAS ARE WEATHERPROOF AND POWDER COATED, AND THE BRACKETS ARE EITHER ZINC-PLATED OR MADE OF ANODISED ALUMINIUM.

Antenna set FLAT 440
47.5 x 47.5 cm

UNIVERSAL SINGLE LNB 0.3DB
PRE-ASSEMBLED
TECHNICAL SPECIFICATIONS:

- Suitable for all common receivable satellites in Germany (Astra, Hotbird, Eutelsat ...)
- For digital and analogue TV and radio channels
- Also suitable for HDTV and Sky Germany
- Quick mounting/dismounting and extension
- Universal mounting options (wall, window, balcony, table, caravan, yacht...)
- Also ideal for camping, garden or allotment

Frequency:	10,70 - 12,75 GHz
Universal single LNB noise factor:	0,3 dB
Benefit:	32,90 or 34,80 dBi
Polarity:	dual linear / dual circular
C. Polarity:	30°
Elevation:	67°
Azemuth:	180°
Tensioning width of the mast clamp:	32 - 60 mm
Supply with mast clamp and wall bracket appox. 20 cm overhang	

COMAGS LNBS ARE REGULARLY TAKEN OUT OF CURRENT PRODUCTION AND TESTED THOROUGHLY. THIS WAY WE CAN GUARANTEE THAT OUR CUSTOMERS WILL RECEIVE QUALITY IN ACCORD WITH OUR REPUTATION.

Single universal LNB:

TECHNICAL SPECIFICATIONS:

		LOW	HIGH
Input frequency	GHz	10,7 - 11,7	11,7 - 12,75
Output frequency	MHz	950 - 1950	1100 - 2150
Oscillator frequency	GHz	9,75	10,6
Noise factor	dB	typical: 0,3	
Amplification	dB	typical: 55	
Feed holder	mm	40	
in plastic weather-protection housing			

Ideal for:
HD reception

Twin universal LNB:

TECHNICAL SPECIFICATIONS:

		LOW	HIGH
Input frequency	GHz	10,7 - 11,7	11,7 - 12,75
Output frequency	MHz	950 - 1950	1100 - 2150
Oscillator frequency	GHz	9,75	10,6
Noise factor	dB	typical: 0,3	
Amplification	dB	typical: 55	
Feed holder	mm	40	
in plastic weather-protection housing			

Ideal for:
HD reception

LNBs

OUR LNBS ARE REGULARLY TAKEN OUT OF CURRENT PRODUCTION AND TESTED THOROUGHLY. THIS WAY YOU WILL RECEIVE A QUALITY PRODUCT THAT HAS RIGHTFULLY EARNED ITS NAME.

Quattris universal LNB:

TECHNICAL SPECIFICATIONS:

		LOW	HIGH
Input frequency	GHz	10,7 - 11,7	11,7 - 12,75
Output frequency	MHz	950 - 1950	1100 - 2150
Oscillator frequency	GHz	9,75	10,6
Noise factor	dB	typical: 0,3	
Amplification	dB	typical: 55	
Feed holder	mm	40	
in plastic weather-protection housing			

Ideal for:
HD reception

Octo universal LNB:

TECHNICAL SPECIFICATIONS:

		LOW	HIGH
Input frequency	GHz	10,7 - 11,7	11,7 - 12,75
Output frequency	MHz	950 - 1950	1100 - 2150
Oscillator frequency	GHz	9,75	10,6
Noise factor	dB	typical: 0,3	
Amplification	dB	typical: 55	
Feed holder	mm	40	
in plastic weather-protection housing			

Ideal for:
HD reception

World novelty

Highend converter single LNB with EASY FIND function:

TECHNICAL SPECIFICATIONS:

LNBs

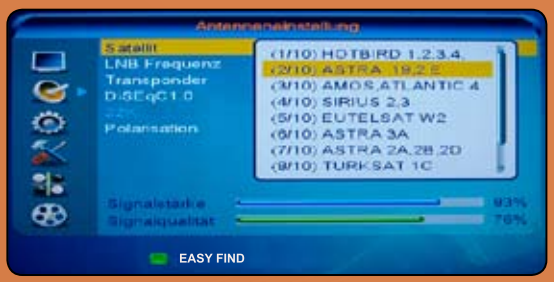
		LOW	HIGH
Input frequency	GHz	10,7 - 11,7	11,7 - 12,75
Output frequency	MHz	950 - 1950	1100 - 2150
Oscillator frequency	GHz	9,75	10,6
Noise factor	dB	typical: 0,3	
Amplification	dB	typical: 55	
Feed holder	mm	40	
in plastic weather-protection housing			

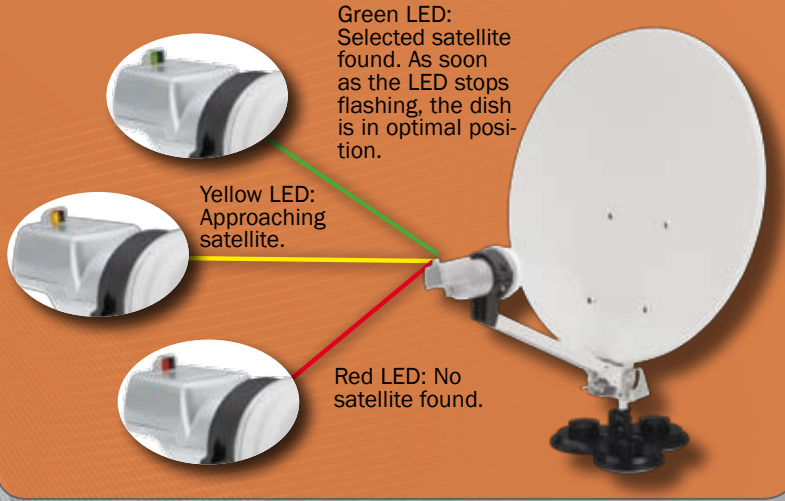
Ideal for:
HD reception

Easy Find Digital LNB

UNIVERSAL LNB WITH STRONG RECEPTION, INCLUDING INTEGRATED SATELLITE FINDER WITH COLOR LED FOR RAPID AND SIMPLE ADJUSTMENT TO THE DESIRED SATELLITES.

SELECTION OF SATELLITE TO BE LOCATED IN RECEIVER MENU




Green LED: Selected satellite found. As soon as the LED stops flashing, the dish is in optimal position.
Yellow LED: Approaching satellite.
Red LED: No satellite found.

1-cable system

1-cable system 5/8

FOR UP TO 8 USERS

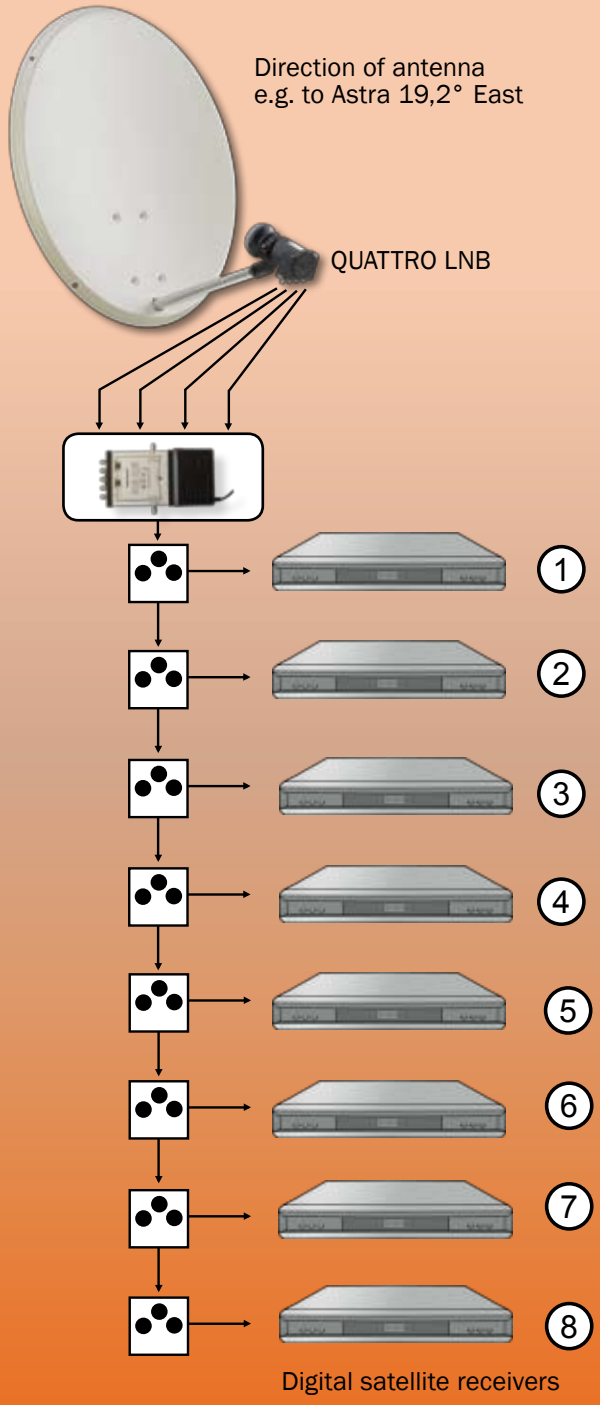
DO NOT WASTE YOUR MONEY WITH A CABLE CONNECTION! ENJOY THE DIGITAL PROGRAMME CHOICE VIA SATELLITE!

ADVANTAGES:

- Parallel operation of up to 8 digital satellite receivers with only 1 antenna cable
- Depending on the already existing cable structure it can be used in the majority of houses. Often, an additional time-consuming and expensive cabling is not necessary.
- A parallel installation of additional 1-cable systems 5/8 for connecting further satellite receivers via a distributor can be realised.
- For each of the connected digital satellite receiver, the complete frequency range is available.
- A terrestrial feed is possible.

Please note: Not exempt from GEZ charges!
Controll signal standard EN 50494

INSTALLATION EXAMPLE



Satellite receiver (Free-to-Air)

WITH THE RECEIVERS OF COMAG HANDELS AG YOU WILL BE A LENGTH AHEAD! EXCELLENT COST-PERFORMANCE RATIO, TOP QUALITY, CROSSCHECKING AND ALWAYS ONE STEP AHEAD IN TECHNOLOGY.

satellite receiver

Digital satellite receiver SL 25

BUILT-IN OPTICAL + ACOUSTIC SATELLITE FINDER
SOFTWARE UPDATE VIA SATELLITE

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4.000 programme storage locations
- Up-to-date pre-programming
- Multilingual screen menu
- 8x multifunctional timer
- EPG (electronic programme guide)
- Timer programmable via EPG
- Various favourites lists possible
- DiSEqC 1.2 control
- Go-to-X function
- Parental lock
- Format switch 4:3 / 16:9 letterbox
- Automatic station finding
- Built-in optical + acoustic satellite finder
- Programme swap function
- Radio reception with back-ground display
- Volume adjustment via remote control
- Last station memory
- Software update via satellite Astra 19.2° East

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

CONNECTIONS
① HF input
② TV Scart connection

Digital satellite receiver SL 30 HDMI USB

BUILT-IN OPTICAL + ACOUSTIC SATELLITE FINDER
SOFTWARE UPDATE VIA SATELLITE

USB 2.0

HDMI output

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4.000 programme storage locations
- Up-to-date pre-programming
- Multilingual screen menu
- 8x multifunctional timer
- EPG (electronic programme guide)
- Timer programmable via EPG
- Various favourites lists possible
- DiSEqC 1.2 control
- Parental lock
- Format switch 4:3 / 16:9 letterbox
- Automatic station finding
- Built-in optical + acoustic satellite finder
- Programme swap function
- Radio reception with background display
- Volume adjustment via remote control
- Last station memory
- Software update via satellite Astra 19.2° East

CONNECTIONS
① HF input and output (loop through)
② USB 2.0 interface
③ TV Scart connection
④ HDMI output

Satellite receiver (Free-to-Air)

WITH THE RECEIVERS OF COMAG HANDELS AG YOU WILL BE A LENGTH AHEAD! EXCELLENT COST-PERFORMANCE RATIO, TOP QUALITY, CROSSCHECKING AND ALWAYS ONE STEP AHEAD IN TECHNOLOGY.

Digital satellite receiver SL 35

BUILT-IN OPTICAL + ACOUSTIC SATELLITE FINDER
SOFTWARE UPDATE VIA SATELLITE
DIGITAL AUDIO OUTPUT (COAXIAL)

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4.500 programme storage locations
- Multilingual screen menu
- 8x multifunctional timer
- DiSEqC 1.2 control
- Go-to-X function
- EPG (electronic programme guide)
- Parental lock
- Timer programmable via EPG
- Format switch 4:3 / 16:9 letterbox
- Automatic station finding
- Diverse favourites lists programmable
- Programme swap function
- Up-to-date pre-programming
- Radio reception with background display
- Volume adjustment via remote control
- Last station memory
- Software update via satellite Astra 19.2° East

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

Stiftung Warentest test
GUT (2,1)
Im Test: 14 Digitale Sat-Empfänger
Ausgabe 11/2005

CONNECTIONS:
① HF input and output (loop through)
② Audio output L+R (stereo)
③ AC3 coaxial digital audio output
④ VCR Scart connection
⑤ TV Scart connection
⑥ RS 232 interface
⑦ Power switch

Digital satellite receiver SL 45

BUILT-IN OPTICAL + ACOUSTIC SATELLITE FINDER
SOFTWARE UPDATE VIA SATELLITE
DIGITAL AUDIO OUTPUT (COAXIAL)

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4.500 programme storage locations
- 4-digit LED display
- Built-in optical + acoustic satellite finder
- Digital tuner with loop-through function
- Multilingual screen menu
- 8x multifunctional timer
- DiSEqC 1.2 control
- Go-to-X function
- EPG (electronic programme guide)
- Parental lock
- Timer programmable via EPG
- Aspect ratio selection 4:3 / 16:9 letterbox
- Automatic station finding
- Various favourites lists possible
- Programme swap function
- Up-to-date pre-programming
- Radio reception with back-ground display
- Volume adjustment via remote control
- Last station memory
- Software update via satellite Astra 19.2° East

Eco-friendly!
Power consumption of only 2 Watt in standby mode!

CONNECTIONS
① HF input and output (loop through)
② Audio output L+R (stereo)
③ AC3 Digital audio output coaxial
④ VCR Scart connection
⑤ TV Scart connection
⑥ RS 232 interface
⑦ Power switch

Digital satellite receiver SL 45 HDMI

BUILT-IN OPTICAL + ACOUSTIC SATELLITE FINDER
SOFTWARE UPDATE VIA SATELLITE
DIGITAL AUDIO OUTPUT (COAXIAL)

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4.500 programme storage locations
- 4-digit LED display
- Built-in optical + acoustic satellite finder
- Digital tuner with loop-through function
- Multilingual screen menu
- 8x multifunctional timer
- DiSEqC 1.2 control
- Go-to-X function
- EPG (electronic programme guide)
- Parental lock
- Timer programmable via EPG
- Aspect ratio selection 4:3 / 16:9 letterbox
- Automatic station finding
- Various favourites lists possible
- Programme swap function
- Up-to-date pre-programming
- Radio reception with back-ground display
- Volume adjustment via remote control
- Last station memory
- Power switch on the rear side of the device
- Software update via satellite Astra 19.2° East

HDMI output

Eco-friendly! Power consumption of only 2 Watt in standby mode!

CONNECTIONS:
① HF input and output (loop through)
② RS 232 interface
③ HDMI interface
④ Audio output L+R (stereo)
⑤ AC3 Digital audio output coaxial
⑥ VCR Scart connection
⑦ TV Scart connection
⑧ Power switch

Digital satellite receiver SL 65

FOR RECEPTION OF ALL UNENCRYPTED
DIGITAL TV AND RADIO CHANNELS VIA SATELLITE

Direct connections

Eco-friendly! Power consumption of only 2 Watt in standby mode!

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4.500 programme storage locations
- 4-digit LED display
- Multilingual screen menu DE, GB, FR, ES, IT, HU, TR, PL
- 6x multifunctional timerdirectly programmable via EPG
- Installation wizzard
- Built-in optical + acoustic satellite finder
- Electronic Programme Guide 7 days in advance
- Parental lock
- 8 channel groups and 1 favourites list
- Sound formats / subtitles / language selection
- Masterpin function and Parental lock
- Skip key to the channel previously watched
- Volume adjustment via remote control
- Software update via satellite Astra 19.2° East
- incl. remote control

CONNECTIONS
① HF input and output (loop through)
② Audio output L+R (stereo)
③ 1 x analogue video output
④ VCR Scart connection (FBAS)
⑤ TV Scart connection (RGB, YUV)
⑥ RS 232 interface
⑦ AC3 optical digital audio output
⑧ AC3 coaxial digital audio output
⑨ S-VHS video output
⑩ Power switch

Satellite receiver (CI)

Digital satellite receiver SL 35 / 1CI

BUILT-IN OPTICAL + ACOUSTIC SATELLITE FINDER
SOFTWARE UPDATE VIA SATELLITE
DIGITAL AUDIO OUTPUT (COAXIAL)
WITH 1 X COMMON INTERFACE

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4.500 programme storage locations
- Multilingual screen menu
- 8x multifunctional timer
- DiSEqC 1.2 control
- Go-to-X function
- EPG (electronic programme guide)
- Parental lock
- Timer programmable via EPG
- Format switch 4:3 / 16:9 letterbox
- Automatic station finding
- Various favourites lists programmable
- Programme swap function
- Up-to-date pre-programming
- Channel-list editor
- Radio reception with background display
- Volume adjustment via remote control
- Last station memory
- Built-in optical + acoustic satellite finder
- Last station memory
- Software update via satellite Astra 19.2° East

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

Stiftung Warentest
test
GUT (2,2)
Im Test: 15 Digitale Sat-Empfänger
Ausgabe 11/2007

CONNECTIONS:
Receiver front panel
- 1 x common interface

Receiver rear panel
① HF input and output (loop through)
② Audio output L+R (stereo)
③ AC3 Digital audio output coaxial
④ VCR Scart connection
⑤ TV Scart connection
⑥ RS 232 interface
⑦ Power switch

Digital satellite receiver SL 65/2CI

BUILT-IN OPTICAL + ACOUSTIC SATELLITE FINDER
SOFTWARE UPDATE VIA SATELLITE
DIGITAL AUDIO OUTPUT (COAXIAL)
DIGITAL AUDIO OUTPUT (OPTICAL)
WITH 2 X COMMON INTERFACE

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4.500 programme storage locations
- Installation wizzard
- Integrated optical and acoustic satellite finder
- Multilingual screen menu DE, GB, FR, ES, IT, HU, TR, PL
- Electronic Programme Guide up to 7 days in advance
- 6x multifunctional timerdirectly programmable via EPG
- Parental lock
- 9 favourites lists partially pre-programmed
- Sound formats / subtitles / language selection
- Masterpin function and Parental lock
- Skip key to the channel previously watched
- Volume adjustment via remote control
- incl. remote control
- Software update via satellite Astra 19.2° East

Direct connections

Eco-friendly!
Power consumption of only 2 Watt in standby mode!

CONNECTIONS:
Receiver front panel
2 x common interface
Receiver rear panel
① HF input and output (loop through)
② AC3 Digital audio output opti-
③ calS-VHS video output
④ AC3 Digital audio output coaxial
⑤ Audio output L+R (stereo)
⑥ 1 x analogue video output
⑦ TV Scart connection (RGB, YUV)
⑧ VCR Scart connection (FBAS)
⑨ RS 232 interface
⑩ Power switch

satellite receiver

Digital satellite receiver SL 50 / 1CI PVRready

**FREE-TO-AIR, PREPARED FOR CONNECTION OF EXTERNAL HARD DISK OR USB STICK
DIRECT RECORDING VIA USB 2.0 INTERFACE ON EXTERNAL STORAGE MEDIUM,
E.G. USB STICK OR EXTERNAL HARD DISK
SOFTWARE UPDATE VIA SATELLITE**

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4.500 channel storage locations
- 4-digit LED display
- Multilingual screen menu
- 8x multifunctional timer
- DiSEqC 1.2 control
- Go-to-X function
- EPG (electronic programme guide)
- Parental lock
- Timer programmable via EPG
- Built-in optical + acoustic satellite finder
- Format switch 4:3 / 16:9 letterbox
- Automatic channel scan
- Various favourites lists possible
- Programme swap function
- Up-to-date pre-programming
- Radio reception with background display
- Volume adjustment via remote control
- Last station memory
- Software update via satellite Astra 19.2° East

DIGITAL fernsehen 12.2008 gut www.digitalfernsehen.de

Satelliten EMPFANG + TECHNIK 01.2009 gut COMAG SL50/1CI PVR-READY www.satdigital.de

USB 2.0

HDMI output

**Eco-friendly!
Power consumption of only
2 Watt in standby mode!**

CONNECTIONS:
Receiver front panel
- USB 2.0 interface
- 1 x common interface

Receiver rear panel
① HF input and output (loop through)
② Audio output L+R (stereo)
③ AC3 coaxial digital audio output
④ VCR Scart connection
⑤ TV Scart connection
⑥ HDMI output
⑦ RS 232 interface
⑧ Power switch

SPECIAL FEATURES:
- USB 2.0 interface for external hard disk or USB stick
- Prepared for recordings on external USB storage medium
- Reproduction of recordings and image files (slide show) from external USB storage medium

Satellite receiver (PVR)

COMAG Handels AG

TECHNICAL SPECIFICATIONS:
- 5.000 channel storage locations
- 10 favourites lists
- Several OSD languages
- Automatic station finding
- Optical and acoustic satellite finder
- Digital radio reception
- Sound formats / subtitles / language selection
- Channel-list editor
- Parental lock
- Up-to-date pre-programming
- Format switch 4:3 / 16:9 letterbox
- Timer function linked with EPG
- Super fast videotext
- Sleep timer
- PVR functions
- Time Shift
- Picture-in-picture function
- Editing of recorded programmes
- Music and image files playable from external USB storage medium
- Station list update and/ or software update via USB interface
- Direct access to the hard disk of the receiver from a PC
- Deleting of several marked recordings
- Software update via satellite Astra 19.2° East

Digital satellite receiver PVR 2/100CI

400 GB INTEGRATED HARD DISK
RECORD TWO PROGRAMMES AND WATCH A DIFFERENT ONE AT THE SAME TIME!
RECORD DIRECTLY VIA USB INTERFACE ONTO ANY STORAGE DEVICE (E.G USB STICK, EXTERNAL HARD DISK OR DIRECTLY ONTO YOUR PC)

Stiftung Warentest test
GUT (1,9)
Im Test: 15 Sat-Empfänger
Ausgabe 10/2008

Twin Tuner

USB 2.0

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

CONNECTIONS:
Receiver front panel
- USB 2.0 interface
- 1 x common interface

Receiver rear panel
① 2 x SAT-F-connections input and output (loop through)
② RS 232 interface
③ 2 Euroscart connections (TV: FBAS/CVBS, RGB)
④ S-VHS (Hosiden) output
⑤ Component output YPbPr
⑥ RCA audio Cinch Stereo L + R
⑦ RCA Video Analogue Cinch
⑧ Digital audio output optical
⑨ Digital audio output coaxial
⑩ Power switch
⑪ Power cable

HARDWARE:
- 8 buttons on front panel
- Alpha-numeric display
- 400 GB hard disk

HD satellite receiver SL40 HD

SOFTWARE UPDATE VIA USB INTERFACE
USB 2.0 INTERFACE FOR EXTERNAL HARD DISK OR USB STICK

TECHNICAL SPECIFICATIONS:
- HDTV & SDTV
- 5.000 programme storage locations
- 4-digit LED display
- EPG (Electronic Programme Guide) 7 days in advance (channel dependent)
- 800 pages super-fast video text
- 8x multifunctional timer
- Multilingual screen menu (among others in German, English, French, etc.)
- Software update via USB interface
- Optical signal metre for adjusting the antenna
- 4 favourites lists
- Up-to-date pre-programming
- Radio reception with background display
- Automatic station finding
- DiSEqC 1.2 & USALS
- Format resolution 1080i, 720p, 576p
- Format switch 4:3 / 16:9 letterbox
- Eco-friendly: Low current consumption in standby mode

USB 2.0

HDMI output

1080i, 720p

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

CONNECTIONS:
Receiver front panel
- USB 2.0 interface

Receiver rear panel
① HF input and output (loop through)
② CVBS video output
③ Digital audio output coaxial
④ Audio output L+R (stereo)
⑤ TV Scart connection
⑥ VCR Scart connection
⑦ HDMI output
⑧ Power cable

SPECIAL FEATURES:
- USB 2.0 interface for external hard disk or USB stick

- The batteries for the remote control are included in the scope of supply

HD satellite receiver
High Definition

COMAG Handels AG

TECHNICAL SPECIFICATIONS:
- HDTV & SDTV
- 5.000 programme storage locations
- 4-digit LED display
- EPG (Electronic Programme Guide) 7 days in advance (channel dependent)
- Video text
- 8x multi-functional timer
- Multilingual screen menu (among others in German, English, Turkish, etc.)
- Optical signal metre for adjusting the antenna
- 8 favourites lists
- Up-to-date pre-programming
- Radio reception with background display
- Automatic station finding
- DiSEqC 1.2 & USALS
- Format resolution 1080i, 720p, 576p
- Format switch 4:3 / 16:9 letterbox
- Eco-friendly: Low current consumption in standby mode
- Software update via satellite Astra 19.2° East

HD satellite receiver SL 90HD USB 1CI

SOFTWARE UPDATE VIA SATELLITE
USB 2.0 INTERFACE FOR EXTERNAL HARD DISK OR USB STICK
WITH 1 X COMMON INTERFACE

USB 2.0

HDMI output

1080i, 720p

Suitable for HD+*

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

TESTSIEGER SATVISION Comag SL90HD GUT 84,2 %

SATVISION Comag SL90HD ENERGIESPARSIEGER

*Pre-condition: Acquisition of a HD+ card with corresponding CI module and performance of a software update. As it stands at present, the corresponding CI module will probably be available from mid 2010 in a limited number of units. Further information: www.hd-plus-modul.de

CONNECTIONS:
Receiver front panel
- 1 x common interface slot

Receiver rear panel
① HF input
② YPbPr (component output) / YUV
③ HDMI output with HDCP
④ TV Scart connection with RGB
⑤ VCR Scart connection
⑥ Digital optical audio output
⑦ Power cable
⑧ Power switch
⑨ RCA stereo audio output Cinch L+R)
⑩ RCA video output analogue Cinch
⑪ USB 2.0 interface

SPECIAL FEATURES:
- USB 2.0 interface for external hard disk or USB stick
- The batteries for the remote control are included in the scope of supply

HD satellite receiver SL100HD PVRready 2CI

PVRready
DIRECT RECORDING VIA USB ON EXTERNAL STORAGE MEDIUM POSSIBLE!
PREPARED FOR RECORDING AND REPRODUCTION IN HD QUALITY
SOFTWARE UPDATE VIA SATELLITE

TECHNICAL SPECIFICATIONS:
- HDTV & SDTV
- 5.000 programme storage locations
- 8-digit alphanumerical display
- EPG (Electronic Programme Guide) 7 days in advance (channel dependent)
- Video text
- 8x multi-functional timer
- Multilingual screen menu (among others in German, English, Turkish, etc.)
- Optical signal metre for adjusting the antenna
- 8 favourites lists
- Up-to-date pre-programming
- Radio reception with background display
- Automatic station finding & intelligent channel scan (NIT)
- DiSEqC 1.2 & USALS
- Video resolution: 1080i, 720p, 576p
- Format switch 4:3 / 16:9 letterbox
- Eco-friendly: Low current consumption in standby mode
- Software update via satellite Astra 19.2° East

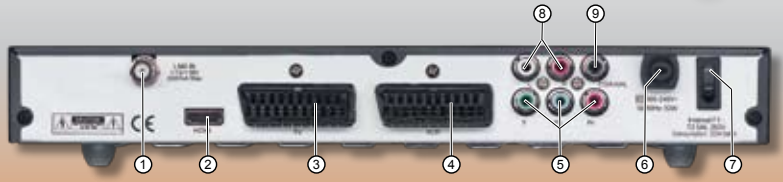
USB 2.0

HDMI output

1080i, 720p

Suitable for HD+*

Eco-friendly!
Power consumption of only 1 Watt in standby mode!



Stiftung Warentest
test
GUT (2,3)
Im Test: 15 Sat-Empfänger für HDTV
Baugleich getestet als LogiSat 1900 HD
Ausgabe 02/2010

*Pre-condition: Acquisition of a HD+ card with corresponding CI module and performance of a software update. As it stands at present, the corresponding CI module will probably be available from mid 2010 in a limited number of units. Further information: www.hd-plus-modul.de

CONNECTIONS:
Receiver front panel
- 2 x common interface slot
- USB 2.0 interface

Receiver rear panel
① HF input
② HDMI output with HDCP
③ TV Scart connection with RGB
④ VCR Scart connection
⑤ YPbPr (component output) / YUV
⑥ Power cable
⑦ Power switch
⑧ RCA stereo audio output (Cinch L+R)
⑨ Digital audio output coaxial

SPECIAL FEATURES:
- USB 2.0 interface for external hard disk or USB stick
- Ready for recording to external USB devices
- Replay of HD recordings and pictures in (diashow) from external USB devices

HD satellite receiver
High Definition

COMAG Handels AG

Digital satellite receiver PVR 2/100CI HD

INTEGRATED 400 GB HARD DISK
RECORD 2 PROGRAMMES AND WATCH ANOTHER ONE SIMULTANEOUSLY!
DIRECT RECORDING VIA USB INTERFACE ON EXTERNAL STORAGE MEDIUM, E. G. USB STICK, EXTERNAL HARD DISK OR DIRECTLY ON THE PC

TECHNICAL SPECIFICATIONS:
- HDTV & SDTV
- 5.000 channel storage locations
- 8-digit alphanumerical display
- 10 favourites lists
- Several OSD languages
- Automatic station finding
- Optical and acoustic satellite finder
- Digital radio reception
- Sound formats / subtitles / language selection
- Station list editor
- Parental lock
- Up-to-date pre-programming
- Format switch 4:3 / 16:9 letterbox
- Format resolution 1080i, 720p, 576p
- Timer function linked with EPG
- Super fast videotext
- Sleep timer
- PVR functions
- Time Shift
- Editing of recorded shows
- Replay of Image files from external USB devices
- Station list update and/or software update via USB interface
- Direct access to the hard disk of the receiver from a PC
- Deleting of several marked recordings
- Software update via satellite Astra 19.2° East

Twin Tuner

USB 2.0

HDMI output

1080i, 720p

Suitable for HD+*

Stiftung Warentest
test
GUT (2,2)
Im Test: 15 Sat-Empfänger für HDTV
Getestet mit 400GB Festplatte
Ausgabe 02/2010

DIGITAL fernsehen
SIEGER PREIS/LEISTUNG 5.2010
gut
COMAG PVR2/100CI HD
www.digitalfernsehen.de

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

*Pre-condition: Acquisition of a HD+ card with corresponding CI module and performance of a software update. As it stands at present, the corresponding CI module will probably be available from mid 2010 in a limited number of units. Further information: www.hd-plus-modul.de

CONNECTIONS:
Receiver front panel
- USB 2.0 interface
- 1 x common interface

Receiver rear panel
① 2 x SAT-F-connections input and output (loop through)
② 2 Euroscart connections (TV: FBAS/CVBS, RGB)
③ HDMI output
④ S-VHS (Hosiden) connection
⑤ YPbPr (component output)
⑥ RCA audio analogue Cinch stereo L + R
⑦ RCA Video Analogue Cinch
⑧ Digital audio output optical
⑨ Digital audio output coaxial
⑩ Power switch
⑪ Power cable

HARDWARE
- 8 buttons on front panel
- Alpha-numeric display
- 400 GB hard disk

HD+ satellite receiver

HD+ satellite receiver

HD + by ASTRA

HD+ is a new channel offer in HD quality via satellite. HD+ supplements the existing broad digital channel offer via ASTRA. Wth HD+, you can receive the complete channel range of RTL HD, Sat.1 HD, ProSieben HD, VOX HD and kabel eins HD in high-resolution HD quality. Additionally to the private channels, e.g. ARD HD, ZDF HD, ARTE HD, Anixe HD and Servus TV HD can be received in HD quality.

The HD+ card is already integrated in each of our HD+ receiverss and provides you with the opportunity to receive the HD+ channels for 12 months free and without any obligation for you. This trial period will end automatically. No cancellation required. Of course, thereafter you have the option to continue watching the HD+ channels. You can buy a new HD+ card for further 12 months in specialised shops. Alternatively, the HD+ card can be topped up with € 50 on hd-plus.de or via the HD+ Service Hotline for 12 months.

HD+ satellite receiver
High Definition

COMAG Handels AG

HD satellite receiver SL 60HD+

PVRready DIRECT RECORDING VIA USB ON EXTERNAL STORAGE MEDIUM POSSIBLE!
FULL HD!* 1080P

TECHNICAL SPECIFICATIONS:
- HDTV & SDTV
- 5.000 programme storage locations
- 4-digit LED display
- EPG (Electronic Programme Guide) 7 days in advance (channel dependent)
- Video text
- 8x multi-functional timer
- Multilingual screen menu (among others in German, English, Turkish, etc.)
- Optical signal metre for adjusting the antenna
- Several favourites lists
- Up-to-date pre-programming
- Radio reception with background display
- Automatic station finding
- DiSEqC 1.2
- Video resolution: 1080p, 1080i, 720p, 576p
- Format switch 4:3 / 16:9 letterbox
- Eco-friendly: Low current consumption in standby mode
- Software update via satellite Astra 19.2° East

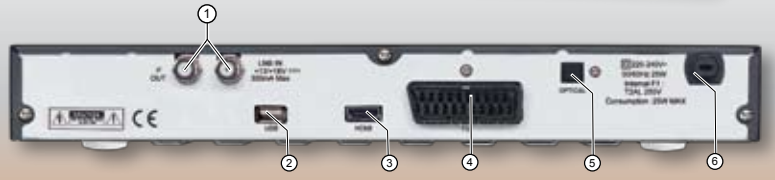
USB 2.0

HDMI output

1080p, 1080i, 720p

Full HD!*

Eco-friendly!
Power consumption of only 1 Watt in standby mode!



RTL HD · HD · VOX HD · HD

HD+ by ASTRA

✓ HD+ Karte inklusive

✓ Empfang 12 Monate gratis

*Channel dependent

THE HD+ CARD MUST ONLY BE USED IN THE FEDERAL REPUBLIC OF GERMANY.

CONNECTIONS:
Receiver front panel
- 1 x smartcard reader

Receiver rear panel
① HF input and output (loop through)
② USB 2.0 interface
③ HDMI output with HDCP
④ TV Scart connection
⑤ Digital optical audio output
⑥ Power cable

SPECIAL FEATURES:
- USB 2.0 interface for external hard disk or USB stick
- The batteries for the remote control are included in the scope of supply

HD+ satellite receiver

HD satellite receiver SL 90HD+

PVRready. DIRECT RECORDING VIA USB ON EXTERNAL STORAGE MEDIUM POSSIBLE!
FULL HD!* 1080P

HD+ satellite receiver

TECHNICAL SPECIFICATIONS:
- HDTV & SDTV
- 5.000 programme storage locations
- 4-digit LED display
- EPG (Electronic Programme Guide) 7 days in advance (channel dependent)
- Video text
- 8x multi-functional timer
- Multilingual screen menu (among others in German, English, Turkish, etc.)
- Optical signal metre for adjusting the antenna
- Several favourites lists
- Up-to-date pre-programming
- Radio reception with background display
- Automatic station finding
- DiSEqC 1.2
- Video resolution: 1080p, 1080i, 720p, 576p
- Format switch 4:3 / 16:9 letterbox
- Eco-friendly: Low current consumption in standby mode
- Software update via satellite Astra 19.2° East

USB 2.0

HDMI output

1080p, 1080i, 720p

Full HD!*

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

HD+ Karte inklusive

Empfang 12 Monate gratis

*Channel dependent

THE HD+ CARD MUST ONLY BE USED IN THE FEDERAL REPUBLIC OF GERMANY.

CONNECTIONS:
Receiver front panel
- 1 x smartcard reader
- 1 x CI+

Receiver rear panel
① HF input and output (loop through)
② YPbPr (component output) / YUV
③ HDMI output with HDCP
④ TV Scart connection with RGB
⑤ VCR Scart connection
⑥ Digital optical audio output
⑦ Power cable
⑧ Power switch
⑨ RCA stereo audio output (Cinch L+R)
⑩ RCA video output analogue Cinch
⑪ USB 2.0 interface

SPECIAL FEATURES:
- USB 2.0 interface for external hard disk or USB stick
- PVR ready. Direct recording via USB on external storage medium possible!
- The batteries for the remote control are included in the scope of supply

Satellite receiver with Ab-TV function

World novelty

Digital satellite receiver Ab i-TV 50

**FREE* WEB APPLICATIONS: MY VIDEO,
ADULT ENTERTAINMENT, WEATHER, INTERNET RADIO
FUNCTIONS OF A DIGITAL SATELLITE RECEIVERS WITH HDMI CONNECTION
PVRready FUNCTIONS**

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4.500 programme storage locations
- 4-digit LED display
- Multilingual screen menu
- 8x multifunctional timer
- DiSEqC 1.2 control
- Go-to-X function
- EPG (electronic programme guide)
- Parental lock
- Timer can be programmed via EPG
- Built-in optical + acoustic satellite finder
- Format switch 4:3 / 16:9 letterbox
- Automatic program search
- Various favourites lists possible
- Programme swap function
- Up-to-date pre-programming
- Radio reception with background display
- Volume adjustment via remote control
- Last station memory
- Software update via satellite Astra 19.2° East

USB 2.0

HDMI output

FREE ACCESS TO INTERNET* (only via TV Scart connection)

Wireless option**

**Eco-friendly!
Power consumption of only
2 Watt in standby mode!**

SATVISION
Comag Ab i-TV 50
GUT 84,8 %

MyVideo | Adult-Entertainment XXX | Internet radio

* The condition is an available access of an Internet provider.
** Only in connection with a wireless dongle.

CONNECTIONS:
Receiver front panel
- USB 2.0 for satellite receivers
- 1 x common interface

Receiver rear panel
① HF input and output (loop through)
② Audio output L+R (stereo)
③ AC3 Digital audio output coaxial
④ VCR Scart connection
⑤ TV Scart connection
⑥ HDMI output
⑦ RS 232 interface
⑧ USB connection for Ab-TV
⑨ Internet connection / Ethernet connection
⑩ Power switch

SPECIAL FEATURES:
- USB 2.0 interface for external hard disk or USB stick
- Ready for recording to external USB devices
- Replay of recordings and pictures in HD (diashow) from external USB devices

SWITCHING WITH THE TV/IP KEY BETWEEN THE NORMAL SATELLITE RECEIVER AND AB TV

Ab-TV

This function enables the use of free Internet functions. Pre-condition is a connection of the receiver with the Internet via the integrated Ethernet interface. Additionally you can log in the device wirelessly to the Internet by means of a wireless dongle (only in connection with a wireless router). After having connected, you can use the contents of the WorldWideWeb.

Following contents are available:

- **My Video**
- **Adult entertainment**
- **Weather**
- **Internet Radio**

etc.

Satellite receiver with Ab TV function

Digital satellite receiver SL 30/12

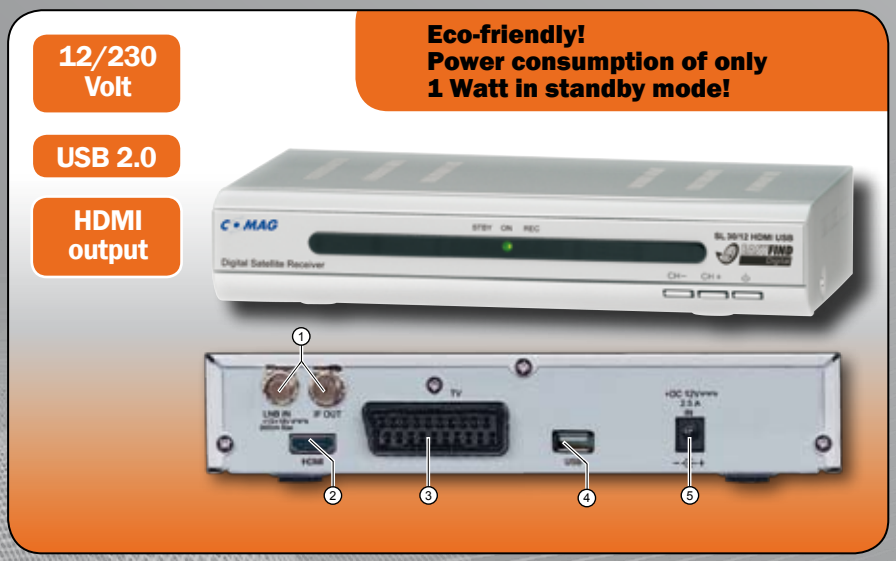
INTEGRATED SATELLITE FINDER
SOFTWARE UPDATE VIA SATELLITE

SPECIFICATIONS:
- 800 pages super-fast video text
- 4.500 programme storage locations
- Built-in optical + acoustic satellite finder
- Digital tuner with loop-through function
- Multilingual screen menu
- 8x multifunctional timer
- DiSEqC 1.2 control
- Go-to-X function
- EPG (electronic programme guide)
- Parental lock
- Timer programmable via EPG
- Format switch 4:3 / 16:9 letterbox
- Automatic station finding
- Various favourites lists possible
- Programme swap function
- Up-to-date pre-programming
- Radio reception with back-ground display
- Volume adjustment via remote control
- Last station memory
- 12 Volt adapter cable for cigarette lighter
- Software update via satellite Astra 19.2° East

CONNECTIONS:
① HF input and output (loop through)
② Audio output L+R Cinch (stereo)
③ 1 x analogue video output
④ 1 x SCART connection
⑤ 230/12 Volt connection for external power pack

Digital satellite receiver SL 30/12 HDMI USB

INTEGRATED SATELLITE FINDER
SOFTWARE UPDATE VIA SATELLITE



CONNECTIONS:
① HF input and output (loop through)
② HDMI output
③ TV Scart connection
④ USB 2.0 interface
⑤ 230/12 Volt connection for external power pack

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4.500 programme storage locations
- Up-to-date pre-programming
- Multilingual screen menu
- 8x multifunctional timer
- EPG (electronic programme guide)
- Timer programmable via EPG
- Various favourites lists possible
- DiSEqC 1.2 control
- Go-to-X function
- Parental lock
- Format switch 4:3 / 16:9 letterbox
- Automatic station finding
- Built-in optical + acoustic satellite finder
- Programme swap function
- Radio reception with background display
- Volume adjustment via remote control
- Last station memory
- 12 Volt adapter cable for cigarette lighter
- Software update via satellite Astra 19.2° East

Satellite receiver (12 Volt)

Digital satellite receiver SL 30 /12 1CI

BUILT-IN OPTICAL + ACOUSTIC SATELLITE FINDER
SOFTWARE UPDATE VIA SATELLITE
WITH 1X COMMON INTERFACE

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4.500 programme storage locations
- Built-in optical + acoustic satellite finder
- Digital tuner with loop-through function
- Multilingual screen menu
- 8x multifunctional timer
- With 1 x common interface
- DiSEqC 1.2 control
- Go-to-X function
- EPG (electronic programme guide)
- Parental lock
- Timer programmable via EPG
- Format switch 4:3 / 16:9 letterbox
- Automatic station finding
- Various favourites lists possible
- Programme swap function
- Up-to-date pre-programming
- Radio reception with back-ground display
- Volume adjustment via remote control
- Last station memory
- 12 Volt adapter cable for cigarette lighter
- Software update via satellite Astra 19.2° East

12/230 Volt

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

CONNECTIONS:
Receiver front panel
- 1 x common interface

Receiver rear panel
① HF input and output (loop through)
② Audio output L+R (stereo)
③ 1 x analogue video output
④ 1 x SCART connection
⑤ 230/12 Volt connection for external power pack

Digital satellite receiver SL 65/12

BUILT-IN OPTICAL + ACOUSTIC SATELLITE FINDER
SOFTWARE UPDATE VIA SATELLITE
DIGITAL AUDIO OUTPUT (COAXIAL)

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4.500 programme storage locations
- SWAP function
- Sleep timer
- Digital radio reception
- Parental lock
- Easy initial installation with aids
- Optical and acoustic signal metre for adjusting the antenna
- 8x multifunctional timer-linked with EPG
- Digital tuner with loop-through function
- DiSEqC 1.2 control
- Go-to-X function
- Parental lock
- Software update via satellite Astra 19.2° East

12/230 Volt

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

CONNECTIONS:
① HF input and output (loop through)
② RCA audio analogue Cinch stereo L + R
③ Digital audio output coaxial
④ VCR Scart connection
⑤ TV Scart connection
⑥ 230/12 Volt connection for external power pack
⑦ RS 232 interface

HD satellite receiver SL 60/12 HD USB

SOFTWARE UPDATE VIA SATELLITE
USB 2.0 INTERFACE FOR EXTERNAL HARD DISK OR USB STICK

TECHNICAL SPECIFICATIONS:
- HDTV & SDTV
- 5.000 programme storage locations
- 4-digit LED display
- EPG (Electronic Programme Guide) 7 days in advance (channel dependent)
- Video text
- 8x multi-functional timer
- Multilingual screen menu (among others in German, English, Turkish, etc.)
- Optical signal metre for adjusting the antenna
- 8 favourites lists
- Up-to-date pre-programming
- Radio reception with background display
- Automatic station finding
- DiSEqC 1.2 & USALS
- Video resolution: 1080i, 720p, 576p
- Format switch 4:3 / 16:9 letterbox
- Eco-friendly: Low current consumption in standby mode
- 12 Volt adapter cable for cigarette lighter
- Software update via satellite Astra 19.2° East

12/230 Volt

USB 2.0

HDMI output

1080i, 720p

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

CONNECTIONS:
① HF input
② USB 2.0 interface
③ HDMI output
④ Euroscart connection (TV: FBAS/CVBS, RGB)
⑤ Digital optical audio output
⑥ 230/12 Volt connection for external power pack

SPECIAL FEATURES:
- USB 2.0 interface for external hard disk or USB stick

Scart satellite receiver

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4.500 programme storage locations
- Built-in optical + acoustic satellite finder
- Multilingual screen menu
- 8x multifunctional timer
- DiSEqC 1.2 control
- Go-to-X function
- EPG (electronic programme guide)
- Parental lock
- Timer program-mable via EPG
- Format switch 4:3 / 16:9 letterbox
- Automatic station finding
- Various favourites lists possible
- Programme swap function
- Up-to-date pre-programming
- Radio reception with background display
- Volume adjustment via remote control
- Last station memory
- Suitable for 12 Volt operation
- Software update via satellite Astra 19.2° East
- Incl. 12 Volt cable for cigarette lighter
- Incl. remote control

Digital Scart satellite receiver SC25-S

FREE-TO-AIR
DIRECT CONNECTION WITH THE SCART CONNECTOR OF YOUR TV.
■ PRACTICAL ■ UNOBTRUSIVE ■ SPACE SAVING

230/12 VOLT OPERATION INCL. 12 VOLT CABLE FOR CIGARETTE LIGHTER

Eco-friendly! Power consumption of only 1 Watt in standby mode!

CONNECTIONS:
① 1 Scart connection
② SAT-F connection input and output
③ Connection for Infrared receiver
④ Connection of external power pack

INFRARED SENSOR FOR THE SIGNALS OF THE REMOTE CONTROL

OPERATION WITH 100-240V AC / 12V DC

■ IDEAL FOR CAMPING
■ UNOBTRUSIVE INSTALLATION
■ DIRECT CONNECTION TO THE SCART CONNECTOR
■ SPACE SAVING

Digital HDMI satellite receiver S25 HDMI

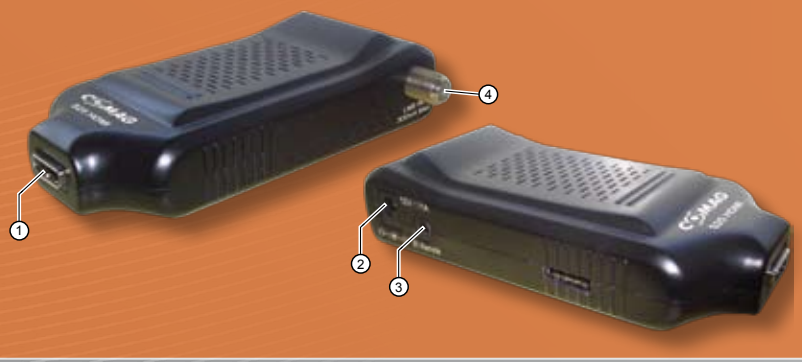
FREE-TO-AIR
DIRECT CONNECTION WITH THE HDMI CONNECTOR OF YOUR TV.
■ PRACTICAL ■ UNOBTRUSIVE ■ SPACE SAVING

230/12 VOLT OPERATION INCL. 12 VOLT CABLE FOR CIGARETTE LIGHTER

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4.500 programme storage locations
- Built-in optical + acoustic satellite finder
- Multilingual screen menu
- 8x multifunctional timer
- DiSEqC 1.2 control
- Go-to-X function
- EPG (electronic programme guide)
- Parental lock
- Timer programmable via EPG
- Format switch 4:3 / 16:9 letterbox
- Automatic station finding
- Various favourites lists possible
- Programme swap function
- Up-to-date pre-programming
- Radio reception with background display
- Volume adjustment via remote control
- Last station memory
- Suitable for 12 Volt operation
- Software update via satellite Astra 19.2° East
- Incl. 12 Volt cable for cigarette lighter
- Incl. remote control

CONNECTIONS:
① HDMI output
② Connection of external power pack
③ Connection for Infrared receiver
④ HF input



COMAG Handels AG

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

12/230 Volt

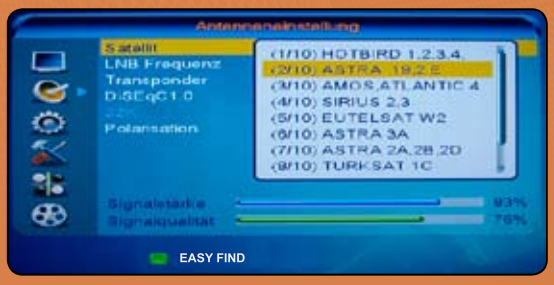
Digital camping satellite system with Easy Find LNB

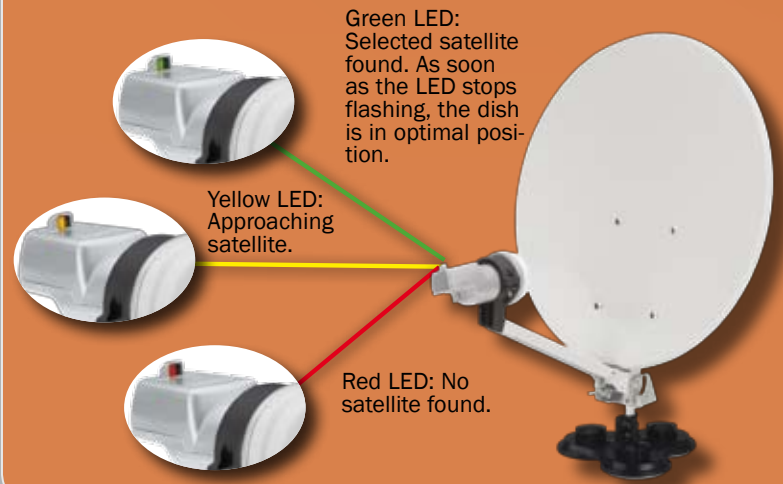
SOFTWARE UPDATE VIA SATELLITE

Easy Find Digital LNB *World novelty*

UNIVERSAL LNB WITH STRONG RECEPTION, INCLUDING INTEGRATED SATELLITE FINDER WITH COLOR LED FOR RAPID AND SIMPLE ADJUSTMENT TO THE DESIRED SATELLITES.

SELECTION OF SATELLITE TO BE LOCATED IN RECEIVER MENU




Green LED: Selected satellite found. As soon as the LED stops flashing, the dish is in optimal position.
Yellow LED: Approaching satellite.
Red LED: No satellite found.

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4.000 programme storage locations
- Digital tuner with loop-through function
- Multilingual screen menu
- 8x multifunctional timer
- DiSEqC 1.2 control
- Go-to-X function
- EPG (electronic programme guide)
- Parental lock
- Timer programmable via EPG
- Format switch 4:3 / 16:9 letterbox
- Automatic station finding
- Various favourites lists possible
- Up-to-date pre-programming
- Radio reception with background display
- Last station memory
- Eco-friendly!
- Power consumption of only 1 Watt in standby mode!

EXTERNAL UNIT:
- 35 cm steel antenna
- Pole mount and wall fixture
- 10 m Universal-Connection-Kit
- High-end converter single LNB with EASY FIND function (0.3 dB, in weather-protection housing)

CONNECTIONS:
① HF input and output (loop through)
② Audio output L+R Cinch (stereo)
③ 1 x analogue video output
④ 1 x SCART connection
⑤ 230/12 Volt connection for external power pack

INSTALLATION EXAMPLES

Suction foot **Mast** **Wall** **State foot**

CONTENTS:
- 1 x digital satellite receiver SL30/12
- 1 x High-end converter single LNB with EASY FIND function (0.3 dB, in weather-protection housing)
- 1x 10 m Universal-Connection-Kit
- 1 x 1.5 m Scart cable
- 1 x 35 cm steel antenna with Pole mount and wall fixture in hard-top case

AVAILABLE WITH THE RECEIVERS LISTED BELOW:
SL30/12
SL30/12 HDMI USB
SL60/12 HD USB

Digital camping satellite system CDS 30

SOFTWARE UPDATE VIA SATELLITE

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4,500 channel-storage locations
- Built-in optical + acoustic satellite finder
- Software update by satellite
- Digital tuner with loop-through function
- Multilingual screen menu
- 8x multifunctional timer
- DiSEqC 1.2 control
- Go-to-X function
- EPG (electronic programme guide)
- Parental lock
- Timer programmable via EPG
- Format switch 4:3 / 16:9 letterbox
- Automatic station finding
- Various favourites lists possible
- Programme swap function
- Up-to-date pre-programming
- Radio reception with background display
- Volume adjustment via remote control
- Last station memory
- 12 Volt adapter cable for cigarette lighter

CONNECTIONS
① HF input and output (loop through)
② Audio output L+R Cinch (stereo)
③ 1 x analogue video output
④ 1 x SCART connection
⑤ 230/12 Volt connection for external power pack

EXTERNAL UNIT:
- 35 cm steel antenna
- Pole mount and wall fixture
- 10 m Universal-Connection-Kit
- 1,5 m Scart cable
- High-end converter single LNB 0.3 dB in weather-protection housing

CONTENTS:
- 1 x digital satellite receiver SL30/12
- 1 x High-end converter single universal LNB 0.3 dB
- 1x 10 m Universal-Connection-Kit
- 1 x 1.5 m Scart cable
- 1 x 35 cm steel antenna with Pole mount in hard-top case

INSTALLATION EXAMPLES

Mast | **Wall** | **Table** | **Suction foot (e.g. for mounting on a car roof)**

AVAILABLE WITH THE RECEIVERS LISTED BELOW:
SL30/12
SL30/12 HDMI USB
SL60/12 HD USB

COMAG Handels AG

Digital mini satellite system MDS 30

PARTICULARLY SUITABLE FOR MOBILE USE:
- **VERY EASY INSTALLATION AND REMOVAL**
- **230/12 VOLT OPERATION**
- **WITH CINCH OUTPUTS FOR AUDIO AND VIDEO**

12/230 Volt

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 4,500 channel-storage locations
- Built-in optical + acoustic satellite finder
- Software update by satellite
- Digital tuner with loop-through function
- Multilingual screen menu
- 8x multifunctional timer
- DiSEqC 1.2 control
- Go-to-X function
- EPG (electronic programme guide)
- Parental lock
- Timer programmable via EPG
- Format switch 4:3 / 16:9 letterbox
- Automatic station finding
- Various favourites lists possible
- Programme swap function
- Up-to-date pre-programming
- Radio reception with background display
- Volume adjustment via remote control
- Last station memory
- 12 Volt adapter cable for cigarette lighter

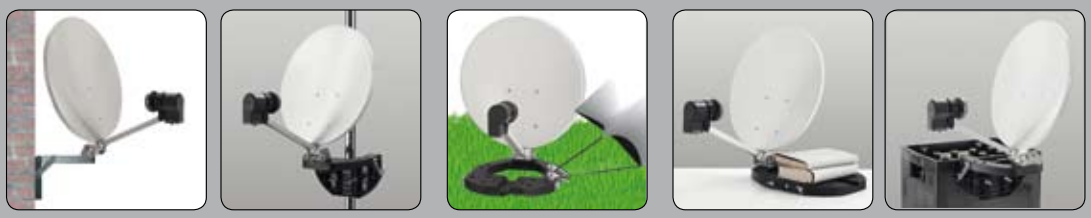
CONNECTIONS:
① HF input and output (loop through)
② Audio output L+R Cinch (stereo)
③ 1 x analogue video output
④ 1 x SCART connection
⑤ 230/12 Volt connection for external power pack

EXTERNAL UNIT:
- 35 cm steel antenna
- Mast and wall bracket
- 10 m universal connection set
- High-end converter single LNB 0.3 dB in weather-protection housing

CONTENTS:
- 1 x digital satellite receiver SL30/12
- 1 x High-end converter single universal LNB 0.3 dB
- 1 x 10 m universal connection set
- 1 x 1.5 m Scart cable
- 1 x 35 cm steel antenna with Pole mount in hard-top case

ACCESSORIES:
- 1 x 12 Volt cable for cigarette lighter
- 1 x Scart cable
- 1 x external power pack

INSTALLATION EXAMPLES



An easy Wall installation → **An easy mount installation** → **Simply to fasten with two tent rings in a lawn ...** → **... or: it stands perfectly loaded with books !** → **but also: for use in a cheerful circle of friends!**

AVAILABLE WITH THE RECEIVERS LISTED BELOW:
SL30/12
SL30/12 HDMI USB
SL60/12 HD USB

IF DESIRED WE WILL COMPOSE YOUR INDIVIDUAL SATELLITE SYSTEM FOR 1 TO 8 USERS CONSISTING OF THE FOLLOWING COMPONENTS
- **DIGITAL SATELLITE RECEIVER**
- **SATELLITE ANTENNA**
- **LNB**

Digital terrestrial receiver SL 25 T

DIGITAL RECEPTION, EASY AND COMFORTABLE VIA ROOF OR INDOOR ANTENNA*

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 1.000 programme storage locations
- EPG (up to 16 days, if supported by the respective channel)
- Radio reception with background display
- 8 favourites lists
- Multi-functional timer
- Last channel memory
- Channel-list editor
- Parental lock
- Several OSD languages
- 4:3 / 16:9 Letterbox + videotext via OSD
- Timer function linked with EPG
- Sleep timer
- Channel scan (Fast Auto Scan)
- Zoom function
- Image freezing/Pause
- Multi-picture function
- LED display at the frontage (standby, ON)
- 5 Volt power supply for active antenna (can be disabled)

Optional: incl. active or passive rod antenna

Eco-friendly! Power consumption of only 1 Watt in standby mode!

CONNECTIONS:
① HF antenna Input and output (loop through)
② TV Scart connection
③ Power switch

* Only in areas that are covered

Digital satellite receiver SL 30 T HDMI USB

DIGITAL RECEPTION, EASY AND COMFORTABLE VIA ROOF OR INDOOR ANTENNA*

USB 2.0

HDMI output

Eco-friendly! Power consumption of only 1 Watt in standby mode!

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 1.000 programme storage locations
- EPG (up to 16 days, if supported by the respective channel)
- Radio reception with background display
- 8 favourites lists
- Multi-functional timer
- Last channel memory
- Channel-list editor
- Parental lock
- Several OSD languages
- 4:3 / 16:9 Letterbox + videotext via OSD
- Timer function linked with EPG
- Sleep timer
- Channel scan (Fast Auto Scan)
- Zoom function
- Image freezing/Pause
- Multi-picture function
- LED display at the frontage (standby, power)

CONNECTIONS:
① HF antenna Input and output (loop through)
② USB 2.0 interface
③ HDMI output
④ TV Scart connection

* Only in areas that are covered

Terrestrial receivers

COMAG Handels AG

Digital terrestrial receiver SL 35 T

DIGITAL RECEPTION EASY AND COMFORTABLE
VIA ROOF OR INDOOR ANTENNA*

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 1.000 programme storage locations
- EPG (up to 16 days, if supported by the respective channel)
- Radio reception with background display
- 8 favourites lists
- Multi-functional timer
- Last channel memory
- Channel-list editor
- Parental lock
- Several OSD languages
- 4:3 / 16:9 Letterbox + videotext via OSD
- Timer function linked with EPG
- Sleep timer
- Channel scan (Fast Auto Scan)
- Zoom function
- Image freezing/Pause
- Multi-picture function
- LED display at the frontage (standby, power)
- 5 V Volt power supply for active antenna (can be disabled)

Stiftung Warentest
test
GUT (2,4)
Im Test: 15 DVB-T/C-Empfänger
Ausgabe 04/2008

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

CONNECTIONS:
① HF antenna Input and output (loop through)
② Audio output L+R (stereo)
③ AC3 Digital audio output coaxial
④ VCR Scart connection
⑤ TV Scart connection
⑥ Power switch

* Only in areas that are covered

Digital terrestrial receiver SL 45 T HDMI

DIGITAL RECEPTION EASY AND COMFORTABLE
VIA ROOF OR INDOOR ANTENNA*

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 1.500 programme storage locations
- 4-digit LED display
- EPG (up to 16 days, if supported by the respective channel)
- Radio reception with background display
- 8 favourites lists
- Multi-functional timer
- Last channel memory
- Channel-list editor
- Parental lock
- Several OSD languages
- 4:3 / 16:9 Letterbox + videotext via OSD
- Timer function linked with EPG
- Sleep timer
- Channel scan (Fast Auto Scan)
- Zoom function
- Image freezing/Pause
- Multi-picture function
- 5 Volt power supply for active antenna (can be disabled)

HDMI output

Eco-friendly!
Power consumption of only 2 Watt in standby mode!

CONNECTIONS:
① HF antenna Input and output (loop through)
② HDMI output
③ Audio output L+R (stereo)
④ AC3 Digital audio output coaxial
⑤ VCR Scart connection
⑥ TV Scart connection (VBS,RGB,YUV)
⑦ Power switch

* Only in areas that are covered

Digital terrestrial receiver SL 65 T

**DIGITAL RECEPTION, EASY AND COMFORTABLE
VIA ROOF OR INDOOR ANTENNA***

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 2.500 programme storage locations
- EPG (up to 16 days, if supported by the respective channel)
- Radio reception with background display
- 8 favourites lists
- Multi-functional timer
- Last channel memory
- Channel-list editor
- Parental lock
- Several OSD languages
- 4:3 / 16:9 Letterbox + videotext via OSD
- Timer function linked with EPG
- Sleep timer
- Channel scan (Fast Auto Scan)
- Zoom function
- Image freezing/Pause
- Multi-picture function
- LED display at the frontage (standby, power)
- 5 Volt power supply for active antenna (can be disabled)

**Eco-friendly!
Power consumption of only
2 Watt in standby mode!**

CONNECTIONS:
① HF antenna Input and output (loop through)
② Audio output L+R (stereo)
③ 1 x analogue video output
④ VCR Scart connection
⑤ TV Scart connection (VBS,RGB,YUV)
⑥ RS 232 interface
⑦ AC3 Digital audio output opticalAC3
⑧ Digital audio output coaxial
⑨ S-VHS video output
⑩ Power switch

* Only in areas that are covered

Terrestrial Scart receiver

Digital terrestrial Scart receiver SC25-T

DIGITAL RECEPTION, EASY AND COMFORTABLE
VIA ROOF OR INDOOR ANTENNA*
DIRECT CONNECTION WITH THE SCART CONNECTOR OF YOUR TV.
■ PRACTICAL ■ UNOBTRUSIVE ■ SPACE SAVING

TECHNICAL SPECIFICATIONS:
- 1.000 programme storage locations
- EPG (up to 16 days, if supported by the respective channel)
- 8 favourites lists
- Multi-functional timer
- Last channel memory
- Channel-list editor
- Several OSD languages
- 4:3 / 16:9 Letterbox + videotext via OSD
- Timer function linked with EPG
- Sleep timer
- 800 pages super-fast video text
- Channel scan (Fast Auto Scan)
- Image freezing/Pause
- Suitable for 12 Volt operation

230/12 VOLT OPERATION INCL. 12 VOLT CABLE FOR CIGARETTE LIGHTER

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

CONNECTIONS:
① HF antenna input
② connection of external power pack
③ Connection infrared receiver
④ 1 Scart connection

* Only in areas that are covered

INFRARED SENSOR FOR THE SIGNALS OF THE REMOTE CONTROL

OPERATION WITH 100-240V AC / 12V DC

■ IDEAL FOR CAMPING
■ UNOBTRUSIVE INSTALLATION
■ DIRECT CONNECTION TO THE SCART CONNECTOR
■ SPACE SAVING

Digital terrestrial HDMI receiver T25 HDMI

DIGITAL RECEPTION, EASY AND COMFORTABLE
VIA ROOF OR INDOOR ANTENNA*
DIRECT CONNECTION WITH THE HDMI CONNECTOR OF YOUR TV.
■ PRACTICAL ■ UNOBTRUSIVE ■ SPACE SAVING

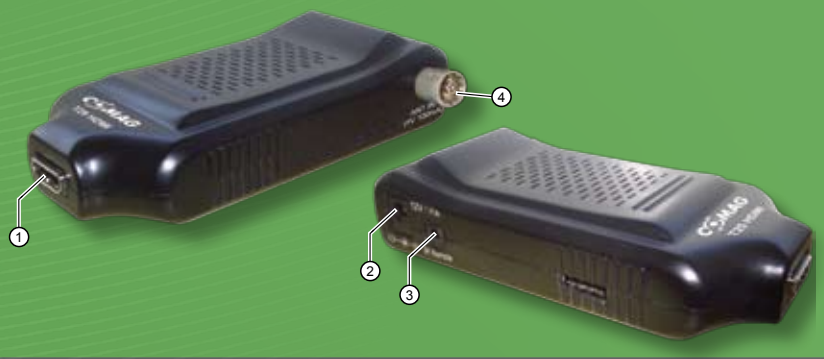
230/12 VOLT OPERATION INCL. 12 VOLT CABLE FOR CIGARETTE LIGHTER

Eco-friendly!
Power consumption of only 1 Watt in standby mode!

TECHNICAL SPECIFICATIONS:
- 1.500 programme storage locations
- EPG (up to 16 days, if supported by the respective channel)
- 8 favourites lists
- Multi-functional timer
- Last channel memory
- Channel-list editor
- Several OSD languages
- 4:3 / 16:9 Letterbox + videotext via OSD
- Timer function linked with EPG
- Sleep timer
- 800 pages super-fast video text
- Channel scan (Fast Auto Scan)
- Image freezing/Pause
- Suitable for 12 Volt operation

* Only in areas that are covered

CONNECTIONS:
① HDMI output
② connection of external power pack
③ Connection infrared receiver
④ HF antenna input



Terrestrial receiver (12 Volt)

Digital terrestrial receiver SL 30/12 T

**DIGITAL RECEPTION EASY AND COMFORTABLE
VIA ROOF OR INDOOR ANTENNA***

TECHNICAL SPECIFICATIONS:
- 800 pages super-fast video text
- 1.500 programme storage locations
- EPG (up to 16 days, if supported by the respective channel)
- Radio reception with background display
- 8 favourites lists
- Multi-functional timer
- Last channel memory
- Channel-list editor
- Parental lock
- Several OSD languages
- 4:3 / 16:9 Letterbox + videotext via OSD
- Timer function linked with EPG
- Sleep timer
- Channel scan (Fast Auto Scan)
- Zoom function
- Image freezing/Pause
- Multi-picture function
- LED display at the frontage (standby, ON)
- 230/12 Volt operation

Optional: incl. active or passive rod antenna

Eco-friendly! Power consumption of only 1 Watt in standby mode!

12/230 Volt

CONNECTIONS:
① HF antenna Input and output (loop through)
② Audio output L+R Cinch (stereo)
③ 1 x analogue video output
④ TV Scart connection
⑤ Connection for external power pack

* Only in areas that are covered

Universal remote control URC01

For

- **TV**
- **VCR (video recorder)**
- **CD**
- **DVD**
- **ASAT (analogue satellite)**
- **DSAT (digital satellite)**
- **CBL (cable)**
- **AUX1**
- **AUX2**
- **AMP (amplifier)**

10 in 1

- Replaces 10 remote controls
- 10 function keys
- Illuminated LED display
- Easy installation by means of the LCD display
- Large pre-programmed code list of well-known manufacturers
- Easy programming due to automatic code search
- Supports all well-known and current devices
- Flexible programmimg of the function keys
- Pairing function for other remote controls
- Pairing of up to 150 keys (15 per function key)
- ALL-Off function (switching off all devices)
- Modern design in piano lacquer
- Tested quality

Notes

Notes

Notes

COMAG Handels AG
Zillenhardtstrasse 41
(Industriegebiet Voralb)
73037 Göppingen - Germany
Tel: 0 71 61 / 5 03 06 - 0
Fax: 0 71 61 / 5 03 06 - 11
www.comag-ag.de